

## McWhorter, Scott

---

**From:** Grisier, Mary  
**Sent:** Thursday, March 03, 2016 1:33 PM  
**To:** TenBrook, Patti  
**Subject:** FW: REPORTS: Hawaii Dept. of Agriculture - bee pollen

FYI – This is the first I've heard about this sampling, although I knew that Joey was working on list of compounds to look for.

---

**From:** Matsuda, Thomas K [mailto:Thomas.K.Matsuda@hawaii.gov]  
**Sent:** Thursday, March 03, 2016 1:18 PM  
**To:** Bauske, Christina Y ; Chen, Jingyu ; Knutson, Sean O ; Kam, Ann M  
**Cc:** Grisier, Mary ; Reimer, Neil J ; Shimabukuro-Geiser, Phyllis  
**Subject:** FW: REPORTS: Hawaii Dept. of Agriculture

Hi Christina et al,

Please read through email thread below.

Any comments on Danielle's information? I don't know of mosquito treatments in that area but I started looking at MGK-326 product and other uses. (repellent). I think that the DOH FD should be asked for their comments on these bee pollen findings. It get complicated because bees forage over a wide range and they may have foraged in treated areas with applications made according to label directions. Your thoughts?

Thanks,

Tm

BTW, I will be meeting with Lauren on Fri. 3/4 @ 11 am to discuss.

**From:** Danielle Downey [mailto:ddowney@hawaii.edu]  
**Sent:** Saturday, February 27, 2016 4:13 AM  
**To:** Rusert, Lauren M <lauren.m.rusert@hawaii.gov>  
**Cc:** Matsuda, Thomas K <Thomas.K.Matsuda@hawaii.gov>; Reimer, Neil J <Neil.J.Reimer@hawaii.gov>; Chen, Jingyu <Jingyu.Chen@hawaii.gov>  
**Subject:** Re: REPORTS: Hawaii Dept. of Agriculture

Thanks Lauren, for keeping this project moving with Oahu staff. Because this subject is so sensitive, with media and public already waiting for information, it will be great to have all their expertise and awareness of each step.

The map is very helpful. It might be of interest to look at the dates of the collections, and conditions (was it dry) and waterways nearby, and Tom might know if there are any mosquito treatments commonly used on Kauai on those areas or dates that might have that active ingredient.

Thanks,  
Danielle

On Fri, Feb 26, 2016 at 5:46 PM, Rusert, Lauren M <lauren.m.rusert@hawaii.gov> wrote:

Hi All,

Moving forward with this, attached is a map of where the samples were taken. 5 and 22 are very close to each other on the West side and 6 is on the East side of the island in Anahola. I've contacted a couple beekeepers already that have negative results and let them know they are only preliminary. I wanted to wait to call those with positive results until I spoke with you guys first.

I will be on Oahu next week Thursday and Friday as well if anyone would like to meet about this and can discuss the next step a little further.

Please let me know if there are any questions.

Thanks,

Lauren

---

**From:** Danielle Downey <[ddowney@hawaii.edu](mailto:ddowney@hawaii.edu)>

**Sent:** Tuesday, February 23, 2016 10:26 AM

**To:** Matsuda, Thomas K; Reimer, Neil J; Chen, Jingyu; Rusert, Lauren M

**Subject:** Fwd: REPORTS: Hawaii Dept. of Agriculture

Dear Tom, Joey, Lauren and Neil,

As you are all aware, the County of Kauai provided funds for beekeepers to have samples of pollen from their bee hives analyzed for pesticide residues last year. The lab running the analyses (USDA-AMS Market Services in Gastonia, NC) processes 1000s of samples like this every year, they are the gold standard for testing of bee matrices in the USA. They do have a standard battery of compounds they look for in bee samples, but we were cautious to scrutinize the list and make sure we didn't miss anything relevant for Hawaii's unique environment. Several of you were involved in those planning emails, including Tom and Joey.

We collected and sent the samples (n=23) some time ago, but there has been delays in the sample processing on the part of the Gastonia lab. This is mainly a concern due to the timeline for the project/budget, we need to file a final report with the County for them to close out this project. I have requested an extension, which would be through June.

The lab recently sent partial results, see attached. The next battery of tests on these same samples will include several of the residues we added on after discussions with Joey and Tom. So far, 20 of the 23 samples had no detections and three had the following detections.

Sample Detection

22 Chlorpyrifos 12.5ppb

MGK-326 556ppb

6 MGK-326 631ppb

5 MGK-326 893ppb

The samples were numbered randomly, Lauren has the list to match the locations, dates and beekeepers to the sample numbers- of course we assured them confidentiality. Of these three samples, two are on the West side and one on the Northeast. MGK-326 is used to kill mosquitos, and these seem like fairly high detection levels. Possibly this is something we could trace back and mitigate.

I am sending this now even though these results are incomplete, because we have had inquiries about the results and there has been media and public interest. I would suggest that when we have complete results, make sure each beekeeper gets their reports. The Kauai JFF is interested in the results, I would suggest Tom discuss the complete results with them and also with Fenix Grange at the Dept of Health. Carl Berg is interested in the results and has been in contact several times to get information (he recently collected honey samples on Kauai to analyze for glyphosate). The county also requires a summary of results, all while protecting the beekeepers' confidentiality.

I had hoped this project would be complete before now but I am happy to join the discussions or help however I can.

Thank you,  
Danielle

----- Forwarded message -----

From: **Denski, Marie - AMS** <[Marie.Denski@ams.usda.gov](mailto:Marie.Denski@ams.usda.gov)>

Date: Tue, Feb 16, 2016 at 10:50 AM

Subject: REPORTS: Hawaii Dept. of Agriculture

To: "Danielle Downey ([ddowney@hawaii.edu](mailto:ddowney@hawaii.edu))" <[ddowney@hawaii.edu](mailto:ddowney@hawaii.edu)>

Cc: "Barber, Jonathan - AMS" <[Jonathan.Barber@ams.usda.gov](mailto:Jonathan.Barber@ams.usda.gov)>, "Fleming, Lea - AMS"

<[Lea.Fleming@ams.usda.gov](mailto:Lea.Fleming@ams.usda.gov)>, "Halmo, Karen - AMS" <[Karen.Halmo@ams.usda.gov](mailto:Karen.Halmo@ams.usda.gov)>, "Lockhart, Kimberly - AMS" <[Kimberly.Lockhart@ams.usda.gov](mailto:Kimberly.Lockhart@ams.usda.gov)>, "Simonds, Roger - AMS" <[Roger.Simonds@ams.usda.gov](mailto:Roger.Simonds@ams.usda.gov)>

Attached are sample reports that are ready for release. Below is a summary of the fees for these samples, a separate billing statement will be issued by the USDA NFC early next month.

Lab ID	Description	Cert #	Purchase Order #	Fee
AN11179	Pollen (Bee Bread)	1		\$396.00
AN11180	Pollen (Bee Bread)	2		\$396.00
AN11181	Pollen (Bee Bread)	3		\$396.00

AN11182	Pollen (Bee Bread)	4		\$396.00
AN11183	Pollen (Bee Bread)	5		\$396.00
AN11184	Pollen (Bee Bread)	6		\$396.00
AN11185	Pollen (Bee Bread)	7		\$396.00
AN11186	Pollen (Bee Bread)	8		\$396.00
AN11187	Pollen (Bee Bread)	9		\$396.00
AN11188	Pollen (Bee Bread)	10		\$396.00
AN11189	Pollen (Bee Bread)	11		\$396.00
AN11190	Pollen (Bee Bread)	12		\$396.00
AN11191	Pollen (Bee Bread)	13		\$396.00
AN11192	Pollen (Bee Bread)	14		\$396.00
AN11193	Pollen (Bee Bread)	15		\$396.00
AN11194	Pollen (Bee Bread)	16		\$396.00
AN11195	Pollen (Bee Bread)	17		\$396.00
AN11196	Pollen (Bee Bread)	18		\$396.00
AN11197	Pollen (Bee Bread)	19		\$396.00
AN11198	Pollen (Bee Bread)	20		\$396.00
AN11199	Pollen (Bee Bread)	21		\$396.00
AN11200	Pollen (Bee Bread)	22		\$396.00
AN11201	Pollen (Bee Bread)	23		\$396.00

Total= \$9,108.00

BILL TO: Garden Island RC & D

UNIT CODE: RA

Best regards,



**Marie Denski | Chemistry Residue Team Leader**

USDA AMS LATD NSL | 801 Summit Crossing Place | Suite B | Gastonia, NC 28054

P: [704.867.3873](tel:704.867.3873) | F: [855-296-1230](tel:855-296-1230) | [marie.denski@usda.gov](mailto:marie.denski@usda.gov)

If you have any questions pertaining to the samples or test results please contact one of the following individuals:

- Jackie Glover, Microbiology Team Leader [704-833-1517](tel:704-833-1517) [jackie.glover@ams.usda.gov](mailto:jackie.glover@ams.usda.gov)
- Kouassi Dje, Chemistry Food Team Leader [704-833-1532](tel:704-833-1532) [kouassi.dje@ams.usda.gov](mailto:kouassi.dje@ams.usda.gov)
- Marie Denski, Chemistry Residue Team Leader [704-833-1535](tel:704-833-1535) [marie.denski@ams.usda.gov](mailto:marie.denski@ams.usda.gov)
- Jonathan Barber, Laboratory Supervisor [704-833-1523](tel:704-833-1523) [jonathan.barber@ams.usda.gov](mailto:jonathan.barber@ams.usda.gov)
- Dr. Deepak Srivastava, Molecular Biologist [704-833-1511](tel:704-833-1511) [deepak.srivastava@ams.usda.gov](mailto:deepak.srivastava@ams.usda.gov)

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.